

US-PAT-NO: 5742845

DOCUMENT-IDENTIFIER: US 5742845 A

TITLE: System for extending present open network communication protocols to communicate with non-standard I/O devices directly coupled to an open network

----- KWIC -----

Another I/O device not supported on open networks are smart cards which are increasing in use. Smart cards include a processor and memory in which information regarding the amount of funds in a particular account, a transaction history, account numbers, and customer data may be stored. The card may be read through a smart card reader which is a computer having a processor and memory but usually provided with non-QWERTY keypads and limited displays. A transaction processor may validate a card owner through a PIN provided through a keypad, determine the mount of money remaining on the card and debit the card itself for a transaction amount by communicating with the smart card reader with one of the proprietary protocols discussed above. Such information is not readily obtainable by the owner of the card and so cannot be entered through a keyboard or the like. Smart card readers are non-standard devices which may be coupled to a PC through a COMM1 or COMM2 port. However, none of the standard protocols and message formats for open network communications currently provide I/O operations for such devices

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REF-CITED:

PAT-NO	ISSUE-DATE	U.S. PATENT DOCUMENTS PATENTEE-NAME
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4410962	October 1983	Daniels et al.
364/900	N/A N/A	
4438511	March 1984	Baran
370/19	N/A N/A	
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364/200	N/A N/A	